Maha Bodhi School

2009 Semestral Assessment 2

Mathematics

Name : _____ ( )

Class : Pr 3 _____

Date : 28 October 2009

Duration : 1 h 45 min

Section A (40 marks)

Questions 1 to 20 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
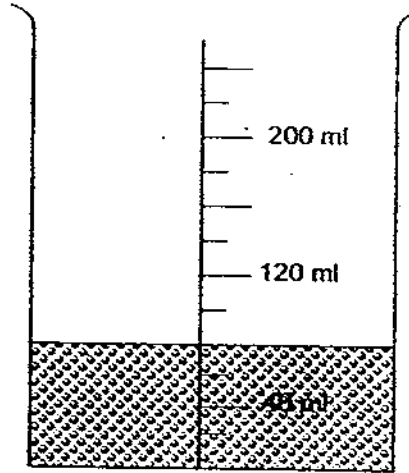Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. Which one of the following is the smallest odd number ?

    (1) 12
    (2) 13
    (3) 14
    (4) 15

2. In '9743', the digit '4' stands for _____.

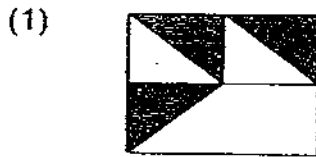   (1) 4000
    (2) 400
    (3) 40
    (4) 4

3. 7 km 89 m = _____ m

    (1) 789 m
    (2) 7089 m
    (3) 7809 m
    (4) 7890 m

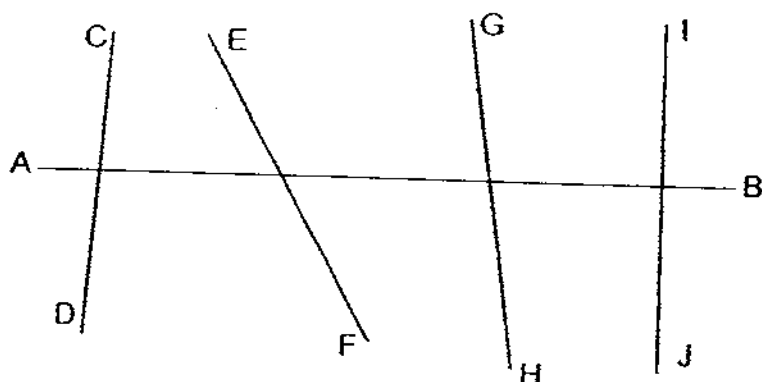4.   How much more water is needed to fill up the container to the 200-ml mark ?

(1)   20 ml
(2)   80 ml
(3) 120 ml
(4) 240 ml

— 200 ml

— 120 ml

5.   Which one of the following shows $\frac{3}{4}$ of the figure being shaded ?

(1)

(2)

(3)

(4)

6. Look at the figure below. Which line is perpendicular to line AB ?

(1) CD
(2) EF
(3) GH
(4) IJ

7. The difference between two numbers is 2190.
If the bigger number is 4045, what is the sum of the two numbers ?

(1) 1845
(2) 1855
(3) 5900
(4) 6235

8. Look at the table shown below. What is the missing number ?

8	1	6
3	?	7
4	9	2

(1) 9
(2) 7
(3) 6
(4) 5

9. Felicia walked 1 km 56 m from her house to the library.
   She walked another 2 km 450 m from the library to a shop.
   What was the total distance she walked ?

   (1) 2606 m
   (2) 3406 m
   (3) 3506 m
   (4) 4010 m

10. A durian has a mass of 650 g. A pineapple has a mass of 550 g.
    What is their total mass ?

    (1) 1 kg 10 g
    (2) 1 kg 20 g
    (3) 1 kg 100 g
    (4) 1 kg 200 g

11. Using the information in the table, answer the question below.

Name	Mass
Amy	48 kg
Bella	36 kg
Carie	29 kg
Dolly	45 kg

    What is the total mass of the heaviest girl and the lightest girl ?

    (1) 65 kg
    (2) 74 kg
    (3) 77 kg
    (4) 81 kg

12. Mrs Goh wants to store 510 ml of juice into similar bottles as shown in the diagram below.
    The capacity of each bottle is 150 ml.
    What is the least number of bottles she will need to store all the juice?

    (1) 5
    (2) 2
    (3) 3
    (4) 4

    150 ml

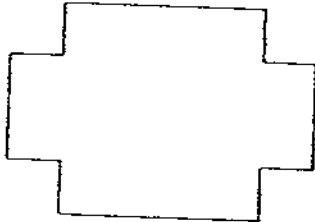13. $\dfrac{4}{6} = \dfrac{\Box}{9}$

The missing value in the box is _____ .

(1) 8
(2) 7
(3) 6
(4) 5

14. The table below shows the time taken by 4 runners to complete a long-distance race. Who came in last ?

Runner	Time Taken
Alice	2 h 25 min
Benny	2 h 18 min
Candy	1 h 59 min
David	2 h 7 min

(1) Alice
(2) Benny
(3) Candy
(4) David

15. Look at the figure below. How many right angles are there inside the figure?

(1) 16
(2) 12
(3) 8
(4) 4

16. Using digits 4, 3, 0 and 2, form the largest and the smallest four-digit number. What is the difference between the two numbers ?
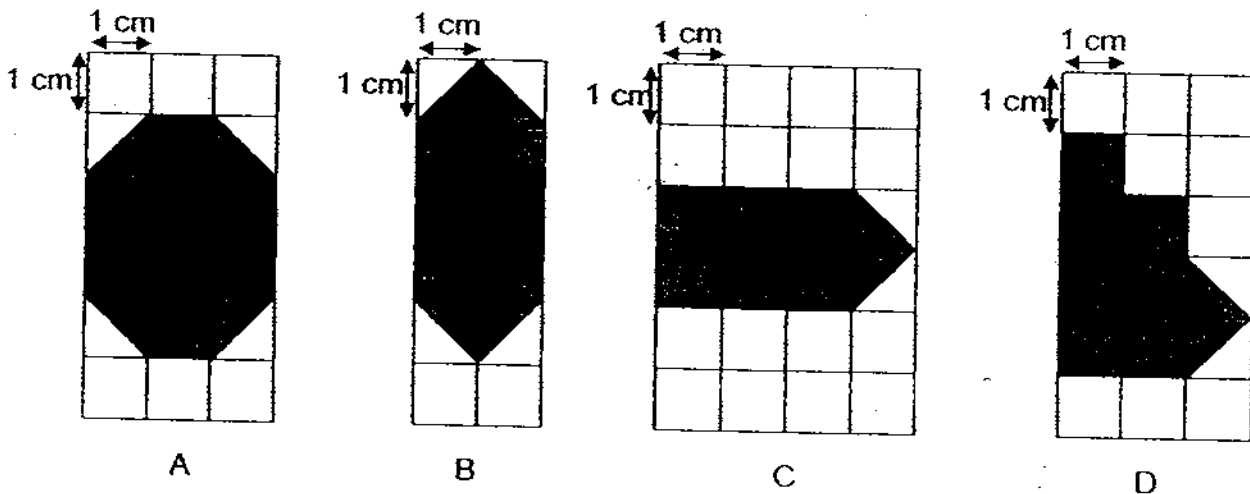
(1) 2034
(2) 2286
(3) 4302
(4) 6354

17. Tom has 50 stamps. Ned has twice as many stamps as Tom.
How many stamps must Ned give to Tom so that both of them have the same number of stamps ?

(1) 25
(2) 75
(3) 100
(4) 150

18. A pencil and two pens cost $3.90. A pencil costs 30¢ more than a pen.
How much does the pencil cost ?

(1) $1.10
(2) $1.20
(3) $1.30
(4) $1.50

19. Which two of the following shaded figures have the same area ?

A   B   C   D

(1) A and B
(2) A and C
(3) B and C
(4) B and D

20. Joe spent $3.60 on some apples and oranges.
An apple cost 50¢ and an orange cost 80¢.
How many apples and oranges did he buy ?

(1) 2 apples and 2 oranges
(2) 2 apples and 3 oranges
(3) 4 apples and 2 oranges
(4) 4 apples and 4 oranges

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Mathematics

Name : _____ (   )

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Date   : 28 October 2009

Parent's Signature : _____

Section A (40 marks)	.
Section B (40 marks)	
Section C (20 marks)	
Total (100 marks)	

BOOKLET B

Section B (40 marks)

Questions 21 to 40 carry 2 marks each.
Write your answers in the spaces provided, giving the answers in the units stated.
Show your working clearly in the space provided below each question.
Marks will be awarded for correct method shown.

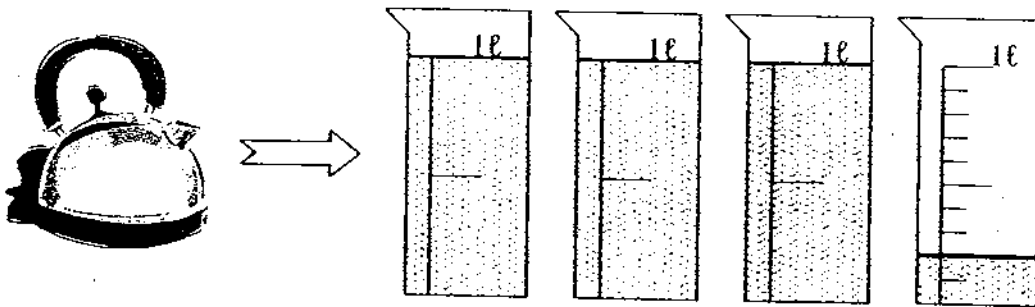21.   What are the missing numbers in the number pattern below ?

   1011, 1063, _____, _____, 1219

Ans: _____, _____

22.   Subtract $54.65 from $120.

Ans: $ _____

23. The figure below shows a kettle and four similar measuring cylinders. Find the capacity of the kettle.

Ans: _____ℓ _____ml

24. Write each fraction in its simplest form.

a) $\dfrac{4}{12}$ = _____

Ans: _____

b) $\dfrac{6}{8}$ = _____

Ans: _____

25. Study the information below.

If ♠ + ♠ + ♠ = 123 ,

and ⌂ + ⌂ + ⌂ + ⌂ = 16

Then the product of ♠ and ⌂ is _____.

Ans: _____

2

The bar graph below shows the number of pupils who visited the school library from last Monday to Friday.

Study the graph and answer Questions 26 and 27.
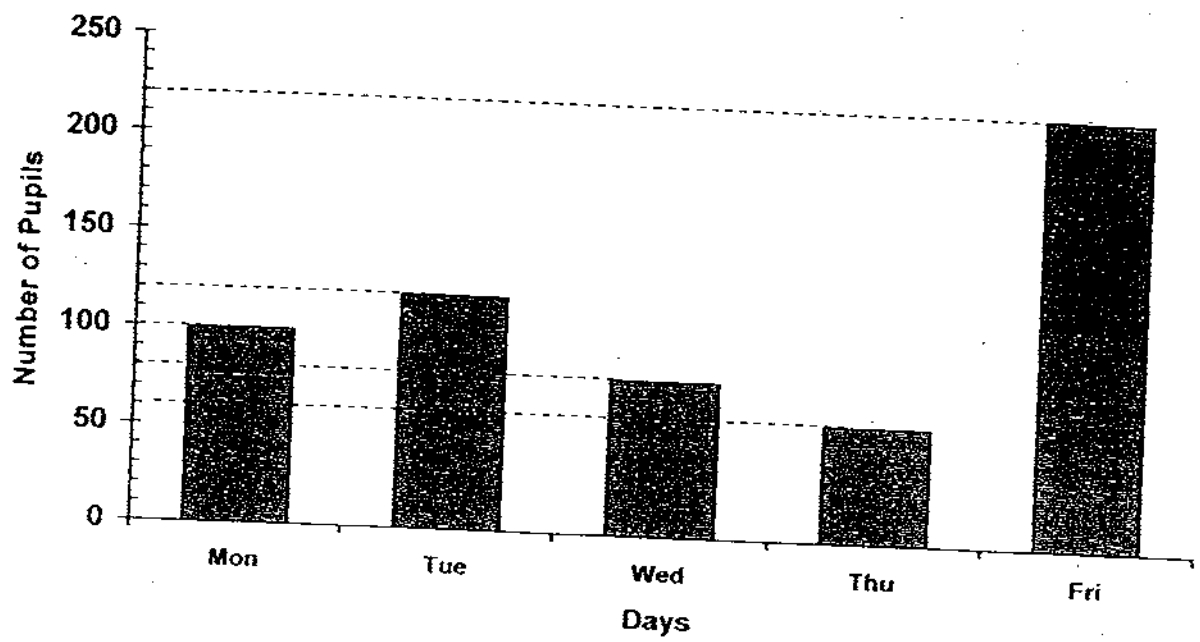
26. Find the number of days in which at least 100 pupils visited the library .
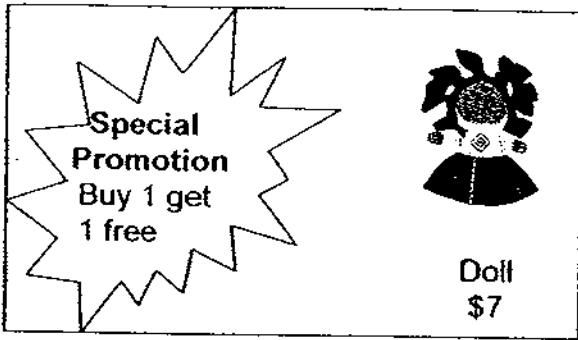
Ans: _____days

27. On which day was the number of pupils who visited the library twice as many as on Thursday?

Ans: _____

28. The difference between 12 hundreds and 40 tens is ▢ .

Ans: _____

29. Read the advertisement shown below.
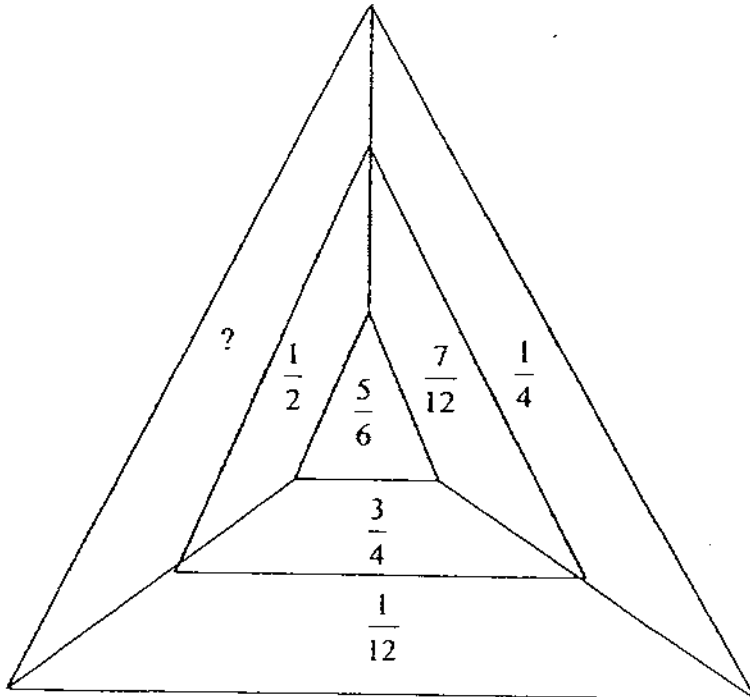
```
Special
Promotion
Buy 1 get
1 free

Doll
$7
```

How much do 4 dolls cost ?

Ans: $_____

30. Jimmy saved $20.90.
Susan saved $34.40.
How much more money did Susan save than Jimmy?

Ans: $_____

31. What is the missing fraction ?

$?$ $\dfrac{1}{2}$ $\dfrac{5}{6}$ $\dfrac{7}{12}$ $\dfrac{1}{4}$

$\dfrac{3}{4}$

$\dfrac{1}{12}$

Ans: _____

32. The mass of a basket of fruits is $\frac{7}{9}$ kg.

   The empty basket has a mass of $\frac{1}{3}$ kg.

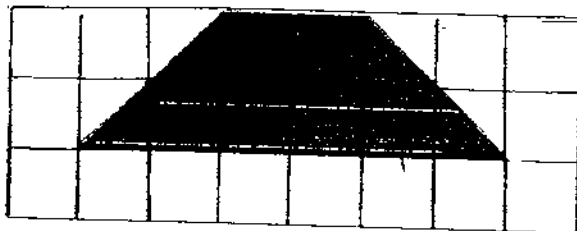   Find the mass of the fruits.

   Ans: _____ kg

33. How many rectangles are there in the figure shown below ?
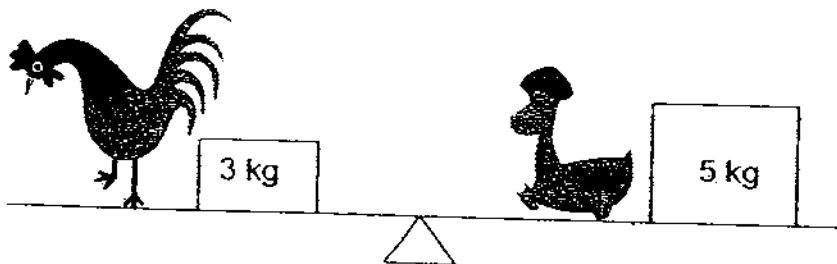

   Ans: _____ rectangles

34. Shade more units so that the figure shown below has an area of 12 square units.

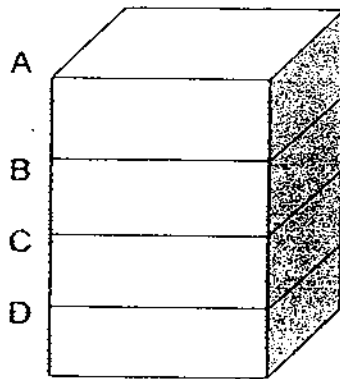

35. Look at the diagram shown below.

   a) Which is heavier, the chicken or the duck ?
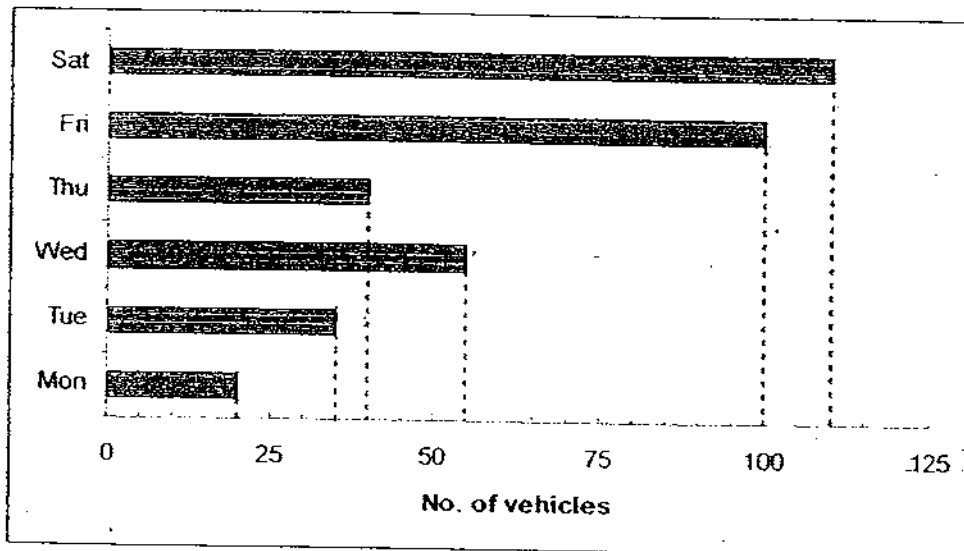
   b) How much heavier ?

   Ans: a) _____

   b) _____ kg

5

36. A container is marked into 4 equal levels. It can hold 6 jugs or 12 glasses of water. After pouring 2 jugs and 2 glasses of water, the water level should reach level _____

A
B
C
D

Ans: Level_____

The bar graph below shows the number of vehicles at a car park from Monday to Saturday. Study the graph carefully and answer Questions 37 and 38.

No. of vehicles

37. On Friday and Saturday, there were 130 cars at the car park. How many vehicles were not cars?

Ans: _____ vehicles

38. What was the total number of vehicles at the car park for the 6 days?

Ans: _____ vehicles

6

39. A plane left Changi Airport at 11.30 am on Wednesday and touched down at Sunshine Airport at 8.15 am the next day. How many hours did the plane take to reach Sunshine Airport ?

long

Ans:_____h_____min

40. Study the diagram below. What number does ☼ stand for ?

18	2	96	2
3	3	4	12
90	6	☼	5
3	5	4	7

Ans: _____

7

Section C (20 marks)
Questions 41 to 45 carry 4 marks each.
Show your working clearly in the space below each question.

41. Mrs Chan went to Ubi Supermarket and bought some items. She paid the cashier $50 and received a change of $34.35. However, the receipt was torn. How much did the grapes cost ?

```
Ubi Supermarket
Receipt No: 5601

Orange Juice  $6.80

Butter        $4.30

Bread         $1.35

Grapes        $3

Total         $
```

42. Grace had 75 sweets.
She kept 12 for herself and gave the rest to some of her friends.
Each friend received 9 sweets.
How many friends did Grace give the sweets to ?

43. Joshua is 20 cm shorter than Seng Huat.
Uncle Raj is 15 cm taller than Seng Huat.
If Joshua is 145 cm tall, what is their total height ?

44. A box containing 5 identical jars of jam has a mass of 420 g. When 1 jar of jam was removed, the mass of the box and the remaining jars became 380 g. What was the mass of the empty box?

45. Cup X can hold 300 ml of water. To fill up Jug Y, it needs 8 such cups. The volume of Jug Y is only half of that of Pail Z. What is the total volume of the 3 containers ?
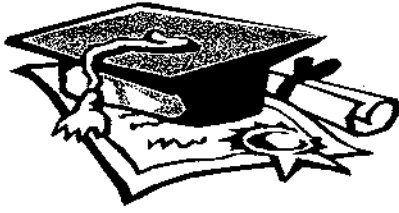
Pail Z   Jug Y   Cup X

Remember to check your work!
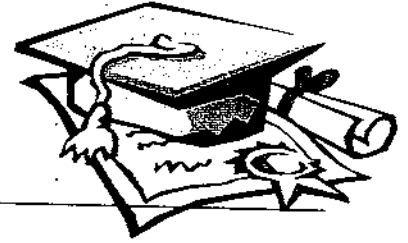*Every mark counts.*

--End of Paper --

ANSWER SHEET

SCHOOL : MAHABODHI PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	3	2	3	2	4	3	4	3	4	3	4	3	1	3	2	1

Q18	Q19	Q20
4	4	3

21)1115, 1167   22)$65.35   23)3L 200ml   24)a)1/3   b) ¾   25)164

26)3   27)Tuesday   28)800   29)$14   30)$13.50   31)1/3

32)4/9kg   33)9   34)

35)a)Chicken
   b)2kg

36)C   37)80   38)360

39)20h 45min   40)140

41)$50-$34.35=$15.65
   All of the items cost $15.65
      $6.80+$4.30+$1.35=$12.45
   The orange juice, butter and grapes cost $12.45.
      $15.65-$12.45=$3.20
   The grapes cost $3.20.

42)75-12=63
She had 63 sweets left after keeping for herself.
   63÷9=7
Grace gave the sweets to 7 friends.

43) 145cm+20=165cm
   Seng Huat's height is 165cm
     165cm+15cm=180cm
   Uncle Raj is 180cm
     180cm+145cm+165cm=490cm
   There total height is 490cm.

44) 420g-380g=40g
    A jar of jam weight 40g
      40gx4=160g
    The mass of 4 jars is 160g
     380g-160g=220g
    The mass of the empty box is 220g.

45) 300mlx8=2400ml
    Jug Y can hold 2400ml of water.
      2400mlx2=4800ml
    Pail Z can hold 4800ml of water
      4800ml+2400ml+300ml=7500ml
    The total volume of the 3 containers is 7500ml.